

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/523,312
Source: PG
Date Processed by STIC: 7/5/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



PCT

RAW SEQUENCE LISTING

DATE: 07/05/2006

PATENT APPLICATION: US/10/523,312

TIME: 14:02:39

Input Set : A:\635725001.ST25.txt

Output Set: N:\CRF4\07052006\J523312.raw

3 <110> APPLICANT: Berezenko, Stephen
 4 Sadler, Peter J.
 5 Stewart, Alan J.
 6 Blindauer, Claudia
 7 Bunyan, Kerry Emma
 9 <120> TITLE OF INVENTION: NOVEL ALBUMINS
 11 <130> FILE REFERENCE: 63572-5001-US
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/523,312
 C--> 14 <141> CURRENT FILING DATE: 2005-01-26
 16 <150> PRIOR APPLICATION NUMBER: GB0217347.4
 17 <151> PRIOR FILING DATE: 2002-07-26
 19 <160> NUMBER OF SEQ ID NOS: 12
 21 <170> SOFTWARE: PatentIn version 3.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 585
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Artificial
 28 <220> FEATURE:
 29 <221> NAME/KEY: MISC_FEATURE
 30 <222> LOCATION: (30)..(30)
 31 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN Y
 34 <220> FEATURE:
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 36 <222> LOCATION: (67)..(67)
 37 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN H
 40 <220> FEATURE:
 41 <221> NAME/KEY: MISC_FEATURE
 42 <222> LOCATION: (99)..(99)
 43 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN N
 46 <220> FEATURE:
 47 <221> NAME/KEY: MISC_FEATURE
 48 <222> LOCATION: (100)..(100)
 49 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN E
 52 <220> FEATURE:
 53 <221> NAME/KEY: MISC_FEATURE
 54 <222> LOCATION: (103)..(103)
 55 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN L
 58 <220> FEATURE:
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 60 <222> LOCATION: (146)..(146)
 61 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN H
 64 <220> FEATURE:
 65 <221> NAME/KEY: MISC_FEATURE

needs explanation in 2207-2237 section. see p.6
Does Not Comply
Corrected Diskette Needed

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Input Set : A:\635725001.ST25.txt

Output Set: N:\CRF4\07052006\J523312.raw

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66 <222> LOCATION: (242)..(242)
67 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN H
70 <220> FEATURE:
71 <221> NAME/KEY: MISC_FEATURE
72 <222> LOCATION: (247)..(247)
73 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN H
76 <220> FEATURE:
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78 <222> LOCATION: (248)..(248)
79 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN G
82 <220> FEATURE:
83 <221> NAME/KEY: MISC_FEATURE
84 <222> LOCATION: (249)..(249)
85 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN D
88 <220> FEATURE:
89 <221> NAME/KEY: MISC_FEATURE
90 <222> LOCATION: (288)..(288)
91 <223> OTHER INFORMATION: X IS ANY AMINO ACID OTHER THAN H
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97 1 5 10 15
W--> 100 Glu Asn Phe Lys Ala Leu Val Leu Ile Ala Phe Ala Gln Xaa Leu Gln
101 20 25 30
104 Gln Cys Pro Phe Glu Asp His Val Lys Leu Val Asn Glu Val Thr Glu
105 35 40 45
108 Phe Ala Lys Thr Cys Val Ala Asp Glu Ser Ala Glu Asn Cys Asp Lys
109 50 55 60
112 Ser Leu Xaa Thr Leu Phe Gly Asp Lys Leu Cys Thr Val Ala Thr Leu
113 65 70 75 80
116 Arg Glu Thr Tyr Gly Glu Met Ala Asp Cys Cys Ala Lys Gln Glu Pro
117 85 90 95
120 Glu Arg Xaa Xaa Cys Phe Xaa Gln His Lys Asp Asp Asn Pro Asn Leu
121 100 105 110
124 Pro Arg Leu Val Arg Pro Glu Val Asp Val Met Cys Thr Ala Phe His
125 115 120 125
128 Asp Asn Glu Glu Thr Phe Leu Lys Lys Tyr Leu Tyr Glu Ile Ala Arg
129 130 135 140
132 Arg Xaa Pro Tyr Phe Tyr Ala Pro Glu Leu Leu Phe Phe Ala Lys Arg
133 145 150 155 160
136 Tyr Lys Ala Ala Phe Thr Glu Cys Cys Gln Ala Ala Asp Lys Ala Ala
137 165 170 175
140 Cys Leu Leu Pro Lys Leu Asp Glu Leu Arg Asp Glu Gly Lys Ala Ser
141 180 185 190
144 Ser Ala Lys Gln Arg Leu Lys Cys Ala Ser Leu Gln Lys Phe Gly Glu
145 195 200 205
148 Arg Ala Phe Lys Ala Trp Ala Val Ala Arg Leu Ser Gln Arg Phe Pro
149 210 215 220
152 Lys Ala Glu Phe Ala Glu Val Ser Lys Leu Val Thr Asp Leu Thr Lys
153 225 230 235 240

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Input Set : A:\635725001.ST25.txt

Output Set: N:\CRF4\07052006\J523312.raw

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156 Val Xaa Thr Glu Cys Cys Xaa Xaa Xaa Leu Leu Glu Cys Ala Asp Asp
157           245           250           255
160 Arg Ala Asp Leu Ala Lys Tyr Ile Cys Glu Asn Gln Asp Ser Ile Ser
161           260           265           270
164 Ser Lys Leu Lys Glu Cys Cys Glu Lys Pro Leu Leu Glu Lys Ser Xaa
165           275           280           285
168 Cys Ile Ala Glu Val Glu Asn Asp Glu Met Pro Ala Asp Leu Pro Ser
169           290           295           300
172 Leu Ala Ala Asp Phe Val Glu Ser Lys Asp Val Cys Lys Asn Tyr Ala
173 305           310           315           320
176 Glu Ala Lys Asp Val Phe Leu Gly Met Phe Leu Tyr Glu Tyr Ala Arg
177           325           330           335
180 Arg His Pro Asp Tyr Ser Val Val Leu Leu Leu Arg Leu Ala Lys Thr
181           340           345           350
184 Tyr Glu Thr Thr Leu Glu Lys Cys Cys Ala Ala Ala Asp Pro His Glu
185           355           360           365
188 Cys Tyr Ala Lys Val Phe Asp Glu Phe Lys Pro Leu Val Glu Glu Pro
189           370           375           380
192 Gln Asn Leu Ile Lys Gln Asn Cys Glu Leu Phe Glu Gln Leu Gly Glu
193 385           390           395           400
196 Tyr Lys Phe Gln Asn Ala Leu Leu Val Arg Tyr Thr Lys Lys Val Pro
197           405           410           415
200 Gln Val Ser Thr Pro Thr Leu Val Glu Val Ser Arg Asn Leu Gly Lys
201           420           425           430
204 Val Gly Ser Lys Cys Cys Lys His Pro Glu Ala Lys Arg Met Pro Cys
205           435           440           445
208 Ala Glu Asp Tyr Leu Ser Val Val Leu Asn Gln Leu Cys Val Leu His
209           450           455           460
212 Glu Lys Thr Pro Val Ser Asp Arg Val Thr Lys Cys Cys Thr Glu Ser
213 465           470           475           480
216 Leu Val Asn Arg Arg Pro Cys Phe Ser Ala Leu Glu Val Asp Glu Thr
217           485           490           495
220 Tyr Val Pro Lys Glu Phe Asn Ala Glu Thr Phe Thr Phe His Ala Asp
221           500           505           510
224 Ile Cys Thr Leu Ser Glu Lys Glu Arg Gln Ile Lys Lys Gln Thr Ala
225           515           520           525
228 Leu Val Glu Leu Val Lys His Lys Pro Lys Ala Thr Lys Glu Gln Leu
229           530           535           540
232 Lys Ala Val Met Asp Asp Phe Ala Ala Phe Val Glu Lys Cys Cys Lys
233 545           550           555           560
236 Ala Asp Asp Lys Glu Thr Cys Phe Ala Glu Glu Gly Lys Lys Leu Val
237           565           570           575
240 Ala Ala Ser Gln Ala Ala Leu Gly Leu
241           580           585
244 <210> SEQ ID NO: 2
245 <211> LENGTH: 609
246 <212> TYPE: PRT
247 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 2

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Input Set : A:\635725001.ST25.txt

Output Set: N:\CRF4\07052006\J523312.raw

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251 Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
252 1 5 10 15
255 Tyr Ser Arg Gly Val Phe Arg Arg Asp Ala His Lys Ser Glu Val Ala
256 20 25 30
259 His Arg Phe Lys Asp Leu Gly Glu Glu Asn Phe Lys Ala Leu Val Leu
260 35 40 45
263 Ile Ala Phe Ala Gln Tyr Leu Gln Gln Cys Pro Phe Glu Asp His Val
264 50 55 60
267 Lys Leu Val Asn Glu Val Thr Glu Phe Ala Lys Thr Cys Val Ala Asp
268 65 70 75 80
271 Glu Ser Ala Glu Asn Cys Asp Lys Ser Leu His Thr Leu Phe Gly Asp
272 85 90 95
275 Lys Leu Cys Thr Val Ala Thr Leu Arg Glu Thr Tyr Gly Glu Met Ala
276 100 105 110
279 Asp Cys Cys Ala Lys Gln Glu Pro Glu Arg Asn Glu Cys Phe Leu Gln
280 115 120 125
283 His Lys Asp Asp Asn Pro Asn Leu Pro Arg Leu Val Arg Pro Glu Val
284 130 135 140
287 Asp Val Met Cys Thr Ala Phe His Asp Asn Glu Glu Thr Phe Leu Lys
288 145 150 155 160
291 Lys Tyr Leu Tyr Glu Ile Ala Arg Arg His Pro Tyr Phe Tyr Ala Pro
292 165 170 175
295 Glu Leu Leu Phe Phe Ala Lys Arg Tyr Lys Ala Ala Phe Thr Glu Cys
296 180 185 190
299 Cys Gln Ala Ala Asp Lys Ala Ala Cys Leu Leu Pro Lys Leu Asp Glu
300 195 200 205
303 Leu Arg Asp Glu Gly Lys Ala Ser Ser Ala Lys Gln Arg Leu Lys Cys
304 210 215 220
307 Ala Ser Leu Gln Lys Phe Gly Glu Arg Ala Phe Lys Ala Trp Ala Val
308 225 230 235 240
311 Ala Arg Leu Ser Gln Arg Phe Pro Lys Ala Glu Phe Ala Glu Val Ser
312 245 250 255
315 Lys Leu Val Thr Asp Leu Thr Lys Val His Thr Glu Cys Cys His Gly
316 260 265 270
319 Asp Leu Leu Glu Cys Ala Asp Asp Arg Ala Asp Leu Ala Lys Tyr Ile
320 275 280 285
323 Cys Glu Asn Gln Asp Ser Ile Ser Ser Lys Leu Lys Glu Cys Cys Glu
324 290 295 300
327 Lys Pro Leu Leu Glu Lys Ser His Cys Ile Ala Glu Val Glu Asn Asp
328 305 310 315 320
331 Glu Met Pro Ala Asp Leu Pro Ser Leu Ala Ala Asp Phe Val Glu Ser
332 325 330 335
335 Lys Asp Val Cys Lys Asn Tyr Ala Glu Ala Lys Asp Val Phe Leu Gly
336 340 345 350
339 Met Phe Leu Tyr Glu Tyr Ala Arg Arg His Pro Asp Tyr Ser Val Val
340 355 360 365
343 Leu Leu Leu Arg Leu Ala Lys Thr Tyr Glu Thr Thr Leu Glu Lys Cys
344 370 375 380
347 Cys Ala Ala Ala Asp Pro His Glu Cys Tyr Ala Lys Val Phe Asp Glu

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Input Set : A:\635725001.ST25.txt

Output Set: N:\CRF4\07052006\J523312.raw

```

348 385          390          395          400
351 Phe Lys Pro Leu Val Glu Glu Pro Gln Asn Leu Ile Lys Gln Asn Cys
352          405          410          415
355 Glu Leu Phe Glu Gln Leu Gly Glu Tyr Lys Phe Gln Asn Ala Leu Leu
356          420          425          430
359 Val Arg Tyr Thr Lys Lys Val Pro Gln Val Ser Thr Pro Thr Leu Val
360          435          440          445
363 Glu Val Ser Arg Asn Leu Gly Lys Val Gly Ser Lys Cys Cys Lys His
364          450          455          460
367 Pro Glu Ala Lys Arg Met Pro Cys Ala Glu Asp Tyr Leu Ser Val Val
368 465          470          475          480
371 Leu Asn Gln Leu Cys Val Leu His Glu Lys Thr Pro Val Ser Asp Arg
372          485          490          495
375 Val Thr Lys Cys Cys Thr Glu Ser Leu Val Asn Arg Arg Pro Cys Phe
376          500          505          510
379 Ser Ala Leu Glu Val Asp Glu Thr Tyr Val Pro Lys Glu Phe Asn Ala
380          515          520          525
383 Glu Thr Phe Thr Phe His Ala Asp Ile Cys Thr Leu Ser Glu Lys Glu
384          530          535          540
387 Arg Gln Ile Lys Lys Gln Thr Ala Leu Val Glu Leu Val Lys His Lys
388 545          550          555          560
391 Pro Lys Ala Thr Lys Glu Gln Leu Lys Ala Val Met Asp Asp Phe Ala
392          565          570          575
395 Ala Phe Val Glu Lys Cys Cys Lys Ala Asp Asp Lys Glu Thr Cys Phe
396          580          585          590
399 Ala Glu Glu Gly Lys Lys Leu Val Ala Ala Ser Gln Ala Ala Leu Gly
400          595          600          605
403 Leu
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408 <211> LENGTH: 600
409 <212> TYPE: PRT
410 <213> ORGANISM: Rhesus macaque
412 <400> SEQUENCE: 3
414 Leu Leu Phe Leu Phe Ser Ser Ala Tyr Ser Arg Gly Val Phe Arg Arg
415 1          5          10          15
418 Asp Thr His Lys Ser Glu Val Ala His Arg Phe Lys Asp Leu Gly Glu
419          20          25          30
422 Glu His Phe Lys Gly Leu Val Leu Val Ala Phe Ser Gln Tyr Leu Gln
423          35          40          45
426 Gln Cys Pro Phe Glu Glu His Val Lys Leu Val Asn Glu Val Thr Glu
427          50          55          60
430 Phe Ala Lys Thr Cys Val Ala Asp Glu Ser Ala Glu Asn Cys Asp Lys
431 65          70          75          80
434 Ser Leu His Thr Leu Phe Gly Asp Lys Leu Cys Thr Val Ala Thr Leu
435          85          90          95
438 Arg Glu Thr Tyr Gly Glu Met Ala Asp Cys Cys Ala Lys Gln Glu Pro
439          100          105          110
442 Glu Arg Asn Glu Cys Phe Leu Gln His Lys Asp Asp Asn Pro Asn Leu
443          115          120          125

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/523,312

DATE: 07/05/2006
TIME: 14:02:40

FYT

Input Set : A:\635725001.ST25.txt
Output Set: N:\CRF4\07052006\J523312.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 30,67,99,100,103,146,242,247,248,249,288

Invalid <213> Response:

ignore this
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,11,12

Use of <220> Feature(NEW RULES):

no explanation
Sequence(s) are missing the <220> Feature and associated headings. Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:11,12,1

VERIFICATION SUMMARY

PATENT APPLICATION: **US/10/523,312**

DATE: 07/05/2006

TIME: 14:02:40

Input Set : **A:\635725001.ST25.txt**

Output Set: **N:\CRF4\07052006\J523312.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
 L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16
 M:341 Repeated in SeqNo=1
 L:1684 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>
 ORGANISM:Artificial
 L:1684 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>
 ORGANISM:Artificial
 L:1684 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:1684
 L:1693 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>
 ORGANISM:Artificial
 L:1693 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
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 L:1693 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:1693

10/523,3/2 8

<210> 11
<211> 50
<212> DNA
<213> Artificial

see p. 6 for eua exploration

<400> 11
gctgaaattg tgacaaatca cttgctaccc tttttggaga caaattatgc

50

<210> 12
<211> 51
<212> DNA
<213> Artificial

same eua

<400> 12
gcataatttg totccaaaaa gggtagcaag tgatttgtca caattttcag c

51